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MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2016/2017

BFN2234 - PRINCIPLES OF CORPORATE FINANCE

(All sections / Groups)

10TH OCTOBER 2016 2.30 p.m - 4.30 p.m (2 Hours)

INSTRUCTIONS TO STUDENTS

- 1. This question paper consists of FIVE (5) printed pages (excluding cover page) with
- 2. Attempt ALL FOUR questions. All questions carry equal marks and the distribution of the marks for each question is given.
- 3. Please write all your answer in the Answer Booklet provided.

INSTRUCTIONS

There are FOUR questions in this section. Candidates MUST answer ALL questions.

Question 1 (25 Marks)

State of Economy	Probability of State	Returns if	State Occurs
Boom	of Economy	Stock A	Stock B
	25%	-2%	3.4%
Normal	60%	13.8%	
Recession	150/		6.2%
	1376	-21.8%	9.2%

Based on the above information

a) Calculate the expected return of each stock.

(5 marks)

b) Calculate the standard deviation of each stock.

(8 marks)

c) Calculate the covariance and correlation between the returns of the two stocks.

(7 marks)

d) Briefly explain how diversification reduces risk.

(5 marks)

Question 2 (25 Marks)

- a) Alpha Corporation Berhad has a market captalization of RM100 million and RM25 million in outstanding debt, Alpha's equity cost of capital is 10% and its debt cost of capital is 6%.
 - i. What is Alpha unlevered cost of capital, assuming no taxes?

(2.5 marks)

ii. If the corporate tax is 40%, what is Alpha weighted average cost of capital?

(2.5 marks)

Continued...

b) Suppose a factor model is appropriate to describe the returns on a stock. The current expected return on stock is 10.5 percent. Information about those factors is presented in the following chart:

Factor	β	Expected value	Actual Value
Growth in GNP	1.87	2.1%	2 6%
Inflation	-1.32	4.3%	4 80%

i. What is the systematic risk of the stock return?

(4 marks)

ii. The firm announced that its market share had unexpectedly increased from 23 percent to 27 percent. Investors know from past experience that the stock return will increase by 0.45 percent for every 1 percent increase in its market share. What is the unsystematic risk of the stock?

(3 marks)

iii. What is the total return of the stock?

(4 marks)

- c) Suppose you estimate that Yahoo's stock has a standard deviation of 26% and a beta of 1.45. A similar process for GDex has a standard deviation of 37% and a beta of 0.79.
 - i. Which stock carries more total risk and why?

(2 marks)

ii. Which has more market risk and why?

(2 marks)

iii. If the risk free interest rate is 3% and you estimate the markets expected return to be 8%, calculate the expected return for Yahoo and GDex. Which company has a higher expected return?

(5 marks)

Question 3 (25 Marks)

- a) Wira Furniture Outlet has an unlevered cost of capital of 10%, a tax rate of 34%, and expected earnings before interest and taxes of RM1,600. The company has RM3,000 in bonds outstanding that have an 8% coupon and pay interest annually. The bonds are selling at par value.
 - i. What is the value of equity?

(5 marks)

ii. What is the cost of equity?

(4 marks)

Continued...

b) The owners' equity accounts for Trans World Berhad are shown below:

	RM
Common Stock (RM1 par value)	45,000
Capital Surplus	125,000
Retained Earnings	580,000
Total Owners' Equity	750,000

i. If Trans World stock currently sells for RM42 per share and a 10 percent stock dividend is declared, how many new shares will be distributed?

(4 marks)

ii. Calculate the new Owner' Equity?

(6 marks)

c) Explain why a firm might prefer a stock repurchase rather than an increase in the firm's regular dividend.

(6 marks)

Question 4 (25 Marks)

a) Biondi Manufacturing Company (BMC) has an average accounts receivable balance of RM1,250.000, an average inventory balance of RM1,750,000, and an average accounts payable balance of RM800,000. Its annual sales are RM12,000,000 and its cost of goods sold represents 80 percent of annual sales. Assume there are 365 days in a year. What is BMC's cash conversion cycle?

(8 marks)

b) Draco Company is considering buying new equipment that costs RM540,000. The equipment will depreciate the straight line to zero over five years. The company can lease the equipment from Kesenai Leasing Company with year-end payments of RM145,000. The company can issue bonds at a 9 percent interest rate. The corporate tax rate is 35 percent.

Required

i. Calculate the net advantage to leasing (NAL)

(9 marks)

ii. Should Draco Company buy or lease the equipment?

(2 marks)

b) What are the difference between operating lease and financial lease?

(6 marks)

End of Page

Present Value and Future Value Tables

Table A-1 Future Value Interest Factors for One Dollar Compounded at k Percent for n Periods: $FVIF_{k,n} = (1 + k)^n$

Perior	1		3%	4%	5%	6%	75			-						K.f.	=(1+k)			
_ 1	1.010	0 1.020	0 1.030				7%	8%	9%	10%	11%	12%	139	6 149	. 1					
_ 2	1.020	1 1.040	1.060		11000		1	110000	11000	1.100	0 1.110				-	-		249	25%	3
3	1.030.	3 1.061	1.092			1	1	121004	1.1881	1.210	0 1.232		-		11.10	-	11.00	00 1.240	0 1.250	
4	1.040	1.082	1.125			111011	1	1.2597	1.2950	1.3310	0 1.367		71007	1100	-		56 1.440	0 1.537	6 1.562	
5	1.0510	1.104			-	110000	710100	1,3605	1.4116	1.464	1 1.518		-			-	1.728	0 1.905	6 1.953	
				1.4.107	1.2763	1.3382	1.4026	1.4693	1.5386	1.6105		170.10	-	11000	777.44		6 2.073	6 2.364		-
6	1.0615	1.1262	1.1941	1.2653	4 9 7 6 7	-	-					1.702.	1.842	1.925	4 2.011	2.100	3 2.488	3 2.931		
7	1.0721	1.1487	1.2299	1.3159	1.3401	1.4185	1.5007	1.5869	1.6771	1.7716	1.8704	1.9738		-	-					0.7
8	1.0829		1.2668		1,4071	1.5036	1.5058	1.7138	1.8280	1,9487		1		-		1 2.436	4 2.986	0 3.635	3.8147	4.8
9	1,0937		1.3048	1,3686	1.4775	1.5938	1.7182	1.8509	1.9926	2.1436	4.01.02	1	-			0 2.826	2 3.583		1 414.4.41	10.00
10	1.1046		1.3439	1.4233	1.5513	1.6895	1.8385	1.9990	2.1719	2.3579			-1000	-	1	0 3.278	4 4.299			0000
		112.00	1,3439	1,4802	1.6289	1.7908	1.9672	2.1589	2.3674	2.5937	-	411101	3.004	-	3.517	9 3.803			11000	
-11	1.1157	1.2434	1 0000	-					1	4.0001	2.8394	3.1058	3.394	3,707	4.045	4.411		-	111000	1
12	1,1268	1.2582	1.3842	1.5395	1.7103	1.8983	2.1049	2.3316	2.5804	2.8531	1	-						0.0344	9.3132	13.7
13	1.1381	1.2936	1.4258	1.6010	1.7959	2.0122	2.2522	2.5182	2.8127		3.1518	-	3.8359	4.2262	4.6524	5.1173	7.4301	10.657	44.000	-
14	1.1495	1.3195	1.4685	1.6651	1.8856	2.1329	2,4098	2.7196	3.0658	3.1384	3.4985	3.8960	4.3345	4.8179	5,3503			13.215	11.642	17.9
15	1.1610		1.5126	1.7317	1.9799	2.2609	2.5785	2.9372	3.3417	3.4523	3.8833	4.3635	4.8980	5.4924	6.1528		414.441		14.552	23.2
10	1-1010	1.3459	1.5580	1,8009	2.0789	2.3966	2.7590	3.1722	3.6425	3.7975	4,3104	4.8871	5.5348	6.2613		1	141000	111100	18.190	30.2
16	1.1728	4	-						3,0423	4.1772	4.7846	5.4736	5.2543	7.1379		9.2655	-	20.319	22.737	39.3
17		1.3728	1.6047	1.8730	2.1829	2.5404	2.9522	3.4259	3.9703		-					1.2000	15,407	25.196	28.422	51.1
18	1.1843	1.4002	1.6528	1.9479	2.2920	2.6928	3.1588	3.7000	4.3276	4.5950	5.3109	6.1304	7.0673	8.1372	9.3576	10.748	18.488	-		-
19		1.4282	1.7024	2.0258	2.4066	2.8543	3,3799	3.9960	-	5.0545	5.8951	6.8660	7.9861	9.2765	10,761	12.468		31.243	35.527	66,54
20	1.2081	1,4568	1.7535	2.1068	2.5270	3.0256	3.6165	4.3157	4.7171	5.5599	6.5436	7.6900	9.0243	10.575	12.375	14.463	22,186	38.741	44.409	86.50
20	1.2202	1,4859	1.8051	2.1911	2.6533	3.2071	3.8697	4.6610	5.1417	6.1159	7.2633	8.6128	10.197	12.056	14.232	16.777	26.623	48.039	55.511	112.4
21	4 244						0.0007	4.0010	5.6044	6.7275	8.0623	9.6463	11,523	13.743	16.367		31.948	59.568	69.389	146.1
22	1.2324	1.5157	1.8603	2,2788	2.7860	3.3996	4.1406	5 5 7 7 7	-					1	10.301	19,461	38.338	73.864	86.736	190.0
_	1.2447	1,5460	1.9161	2.3699	2.9253	3.6035	4.4304	5.0338	6.1088	7.4002	8.9492	10.804	13,021	15.668	18.822	22.574	-	-		
23	1.2572	1.5769	1.9736	2.4647	3,0715	3.8197	4.7405	5.4365	6.6586	8.1403	9.9336	12.100	14.714	17.861	21.645	22.574	46.005	91.592	108.420	247.08
24	1.2697	1.6084	2.0328	2.5633	3.2251	4.0489	5.0724	5.8715	7.2579	8.9543	11.025	13.552	16.627	20.362	24.891	26.186	55.208	113.574	135.525	321.18
25	1.2824	1,6406	2.0938	2.6658	3.3864	4.2919		6.3412	7.9111	9.8497	12.239	15,179	18.788	23.212	-	30.376	66.247	140.831	169,407	417.53
						1.2013	5.4274	6.8485	8.6231	10.835	13.585	17.000	21.231	26.462	28.625	35,236	79.497	174.631	211.758	542.80
	1.3478	1.8114	2.4273	3.2434	4.3219	5.7435	7.0100						- Iray I	20.402	32.919	40.874	95.396	218.542	254.698	705.64
	1.4166	1.9999	2.8139		5.5160	-			13.268	17.449	22.892	29.960	39,116	50.050	00.04					
	1.4308	2.0399	2.8983			7.5861			20,414	28.102	38.575	52.800	72.069	50.950	68.212	85.850	237.376	634,820	807.794	4
	1,4889	2,2080	3.2620	-		8.1473	11.424		22.251	30.913	42.818	59.136	81.437	98.100	133.176	180.314	590.668	*		
0	1.6446	2.6916	-		44 4==	10.286		21.725	31.409	45.259	65.001	-		111,834	153.152	209.164	708.802		*	
				111001	11,407	18.420	29.457	46.902					132.782	188.884	267.864	378.721				,
										-	.47.000	203.002	450.736	700.233				4		

Table A-2 Future Value Interest Factors for a One-Dollar Annuity Compouned at k Percent for n Periods: FVIFA k,n = {(1 + k) " - 1 } / k

Period	1%	2%	3%	4%	5%	6%		-								· · · · · · · · · · · · · · · · · · ·	10-1114	0 -111	K	
1	1.0000	1.0200	1.030		0.70	0 /0	170	8%	9%	10%										
2	2.0100	2.0200		-110.110	11000	7,000	-	2.17.0	00 1.090	1,100				- 17	10.7	1.01	6 20%	24%	25%	30
3	3.0301	3.0604						= 00	2.090	0 2.100			- 1		2.10		00 1.200	1.240		
4	4.0604	4.1216					218 17	0.00	3.278	3,310					-	41.194	2.200	2.240		1101
5	5.1010	5.2040	5.309	1100	-	11011	41.400	9 4.506	1 4.573			4.01.4	1 41.101			25 3.505	3.6400	3.777		
	1		-	3.4102	5.525	5.637	5.750	7 5.866	6 5.984			******				5.066	5 5.3680			-
6	6.1520	6.3081	6.4684	6.6330	-	+					0.227	8 6.352	8 6,480	3 6.610	01 6.742	4 6.877	1 7.4416			0.10
7	7.2135	7.4343	7.8625	0.0000			-	7.335	9 7.523	3 7.715	6 7.912	0 0 446	-	-				-	0.2070	9.04
8	8.2857	8.5830	8.8923	1,0000		-		8.922	8 9.200			1		0.000	5 8.753	7 8.977	5 9.9299	10.980	11.259	100
9	9.3685	9.7546	10.159	9.2142	1 210101	410010	10.260	10.63	7 11.028		-		10.40	14170	0 11.06	7 11.41		14.615	1 114400	1011
10	10,452	10,950		10.583	11.027	- 11-44-1	11.978	12.48	-		1			7 13.23	3 13.72	7 14.240		19.123	1	17.5
		10,550	11.464	12.006	12.578	13,181	13.818			1,010,10	-	-	1	6 16.08	5 16.786			24.712	101012	23.8
11	11,567	12.169	10000	-					10,100	10.53/	16.72	17,549	18.42	19.33	7 20.304	1		-	25.802	32.0
12	12.683	13.412	12.808	13.486	14.207	14.972	15.784	16.645	17,560	40.00	1						20.303	31.643	33.253	42.8
13	13.809		14.192	15.026	15,917	16,870	17.888	18.977		101001	101001		21,814	23.04	24.349	25,733	32.150	17.000	-	-
14		14.680	15,618	16.627	17.713	18.882	20.141	21.495		21,384	1	0.11.00	25.650	27.27				40,238	42,566	56.40
15	14.947	15.974	17,086	18,292	19.599	21.015	22.550	24.215		24.523	1	28.029	29.985	32.089			1	50.895	54.208	74.32
10	16,097	17.293	18.599	20.024	21.579	23,276	25.129	27.152		27.975		32.393	34.883		40.505	43.672	141.101	64.110	68.760	97.62
40							50.123	21.152	29.361	31.772	34.405	37.280	40.417			-	1	80.496	86,949	127.91
16	17.258	18.639	20.157	21.825	23.657	25.673	27.888	-	-					70.042	47.500	51.660	72.035	100.815	109.687	167.28
17	18.430	20.012	21.762	23.698	25.840	28.213		30.324	33.003	35.950	39.190	42,753	45.672	50.980	FC 747	-	-			
18	19.615	21.412	23,414	25.645	28,132	30.906	30,840	33.750	36.974	40,545	44.501	48.884	53,739	59,118	55.717	60,925	87.442	126,011	138.109	218.47
19	20.811	22.841	25.117	27.671	30,539	33.760	33,999	37.450	41.301	45.599	50.396	55.750	61.725	58.394	65.075	71.673	105.931	157.253	173.636	285.01
20	22.019	24.297	26.870	29.778	33.066	-	37.379	41.446	46.018	51,159	56,939	63.440	70.749		75.836	84.141	128.117	195.994	218.045	371.51
					00.000	36.786	40.995	45.762	51.160	57.275	64,203	72.052		78.969	88.212	98.603	154.740	244.033	273.556	483.97
21	23.239	25.783	28.676	31.989	25.744							16.002	80,947	91.025	102.444	115,380	186.688	303.601	342,945	630.16
22	24.472	27.299	30.537	34.248	35,719	39.993	44.865	50.423	56.765	64.002	72.265	81.699		-					416,040	030.10
23	25.718	28.845	32.453		38,505	43.392	49.006	55.457	62.873	71.403	81.214		92.470	104.768	118.810	134.841	225.026	377.465	429.681	220 24
24	26.973	30.422	34.426	36.618	41.430	46.996	53.436	60.893	69.532	79.543	91.148	92.503	105.491	120.436	137,632	157.415	271.031		538.101	820.21
	28,243	32.030	36.459	39.083	44.502	50.816	58.177	66.765	76.790	88.497	102,174	104.603	120.205	138.297	159.276	183.601	-		673.626	-
		02.000	30,439	41.646	47.727	54.865	63.249	73.106	84.701	98.347		118.155	136.831	158.659	184.168	213.978		-		
30 :	34.785	40.568	47 670							20.241	114,413	133.334	155.620	181.871	212.793	249,214	400	898.092	843.033	,
	11.660		47.575	56.085	66,439	79.058	94.461	113.283	136,308	164 404							711.501	098.092	-	•
			60.462	73.652	90.320	111.435	138.237	172.317	215.711	164.494	199.021		293,199	356.787	434.745	530.312	-			
			63.276		95.836	119.121	148.913	187.102	236,125	271.024	341.590	431.663	546.681	693.573	881.170				4	*
_			75.401	95,026		154.762	199.635	259.057		299.127	380.164	484.463	618,749	791.673						
0	4.403	84.579	12.797	152.667				573.770	337.882	442.593	581.826	767.091				-	-	•		
					-			012110	815.084				4					40		

Present Value and Future Value Tables

Perio	d 1%	2%	7	%	400						2011	ar Discou	ruted St	k Perce	int for /	Perio	ds: P	VIE.	4/64	e.s.27		
1	0.990		-	70	4%	5%	6%	7%	89	1 00	,							R.17	17 (7+	K)		
2	0.980		- 0.0		9615	0.9524	0.943	0.93					6 12	% 13	3%	14%	400/	7				
3	0.970	01001	0.0		2246	0.9070	0.8900	-	0.07	0.01	0.00	0.000	0.89		_	8772	15%	-		% 24	% 25%	30
4	0.961	1	0.0	-	1890	0.8638	0.8396		7100	1 0104	. 0.04	54 0.811	6 0.79			-	0.8696	0.00		33 0.80	65 0,800	
5	0.951		1 0,00	85 0.8	548	0.8227	0.7921		0.75		22 0.75	13 0.731		-			0.7561		32 0.69	44 0.65		V-1
	0.331	0.905	0.86	26 0.8	219	0.7835	0.7473		0.1.04		84 0.683	0.658		0.0.			0.6575	-	0.57	87 0.52		
6	0000	-	-				417	0.713	0.680	0.64	0.620	9 0.593		-			0.5718	0.55	23 0.48			
7	0.9420	4.000	0.00	75 0.7	903	0.7462	0.7050	0.000	-				0.00	4 0.54	28 0.	5194	0.4972	0.476	1 0.40			-
8	0.9327	0.8706	0.81	31 0.7		0.7107	0.6651		0.000	0.000	3 0.564	5 0.5346	0.506	C 0 10	-	-				0.04	0.327	0.26
	0.9235	0.8535	0.78			0.6768		0.622	1,000	5 0.547	0 0.513		1	0.40		556 (0.4323	0.410	4 0.334	9 0.275		-
9	0.9143	0.8368	0.76		_	0.6446	0.6274	0.5820	0.540	3 0.501		41.40.14		0.42	-	996	.3759	0.353	_			
10	0.9053	0.8203	0.74				0.5919	0.5439	0.500	0.460		0.4000	4.400		62 0.3	506 0	.3269	0.305		4.221	110001	
				0.0	00	0.6139	0.5584	0.5083	0.463	0.422		0,000	4.000	0.04.00	29 0.3	075 0	.2843	0.263	0.202	0.710		
11	0.8963	0.8043	0.722	4 000	00						0,3633	0.3522	0.322	0.29	16 0.2		.2472	0.2267		31,11	4110.45	0.094
12	0.8874	0.7885	0.701	0.04	-	0.5847	0.5268	0.4751	0.4289	0.3875	0.000	-	-					0.220	0.161	0.116	0.1074	0.072
13	0.8787	0.7730	1	0,02	-	0.5568	0.4970	0.4440	0.3971	-14016	1 0.0000	210110	0.2875	0.260	7 0.2	166 0	2149	-	-			
14	0.8700	0.7579	0.581	-	-	0.5303	0.4688	0.4150	0.3677	0.000	0,0100	0.2858	0,2567	0.230			1869	0.1954	0,104	-10000	0.0859	0.055
15	0.8613	0.7430	0.561		-	.5051	0.4423	0.3878	0.3405	0.3262	1.0001	0.2575	0.2292	0.204		0.		0.1685		0.0757	0.0687	0.042
		0.7430	0.641	0.55	3 0	.4810	0.4173	0.3524		0.2992	0.2633	0.2320	0.2046		-	-	1625	0.1452	0.0935	0.0610	0.0550	0.0330
16	0.8528	0.700						0,0024	0.3152	0.2745	0.2394	0.2090	0.1827	0.159	0,10	-	1413	0.1252	0.0779	0.0492	0.0440	0.0254
17	0.8444	0.7284	0.6232	-1400	9 0.	4581	0.3936	0.3387		-				0.100	0.14	01 0.	1229	0.1079	0.0649	0.0397	0.0352	
18	0.8360	0.7142	0.6050	0.513	4 0.	4363	0.3714	0.3166	0.2919	0.2519	0.2176	0.1883	0.1631	0.1415	- 12	-					0.0002	0.0195
19		0.7002	0.5874	0.493		4155	0.3503		0.2703	0.2311	0,1978	0.1696	0.1456				069	0,0930	0.0541	0.0320	0.0281	
-	0.8277	0.6864	0.5703	0.474	6 0.	3957	0.3305	0.2959	0.2502	0.2120	0.1799	0.1528	0.1300	0.1252			929	0.0802	0.0451	0.0258	0.0225	0.0150
-	0.8195	0.6730	0.5537	0.456	-		0.3303	0.2765	0.2317	0.1945	0.1635	0.1377	0.1161	0.1108			808	0.0691	0,0376	0.0208	1	0.0116
14	-					-	0.3110	0.2584	0.2145	0.1784	0.1486	0.1240	0.1037	0.0981	0.082		703	0.0596	0.0313	0.0168	0.0180	0.0089
-	0.8114	0.6598	0.5375	0.4388	0.3	3589	0.001						0.1037	8380.0	0.072	8 0.0	611	0.0514	0.0261	1	0.0144	0.0068
_	0.8034	0,6468	0.5219	0.4220	-		0.2942	0.2415	0.1987	0.1637	0.1351	0.1117	0.000		-				0.0201	0.0135	0.0115	0.0053
	0.7954	0.6342	0.5067	0.4057			0.2775	0.2257	0.1839	0.1502	0.1228	0.1117	0.0926	0.0768	0.063	8 0.0	531	0.0443	0.0217	0.040		
	0.7876	0.6217	0.4919	0.3901	-			0.2109	0.1703	0.1378	0.1117	-	0.0826	0.0680	0.056	0.04		0.0382	0.0217	0.0109	0.0092	0.0040
5	0.7798	0.6095	0.4776	0.3751	0.3			0.1971	0.1577	0.1264	0.1015	0.0907	0.0738	0.0601	0,049			0.0329		0.0088	0.0074	0.0031
				0.3/57	0.2	953 (2330	0.1842	0.1460	0.1160		D.0817	0.0659	0.0532	0.0431				0.0151	0.0071	0.0059	0.0024
) (7.7419	0.5521	0.4120	0.000	-					***************************************	0.0923	0.0736	0.0588	0.0471	0.0378			0.0284	0.0126	0.0057	0.0047	0.0018
0				0.3083	0.23	314 0	1741	0.1314	0.0994	0.0754	-					0.03	04	0.0245	0.0105	0.0046	0.0038	0.0014
	-		0.3554	0.2534	0.18	313 0	4	0.0937	0.0676		0.0573	0.0437	0.0334	0.0256	0,0196	1000	E a					
			0.3450	0.2437	0.17	27 0.		0.0875		0.0490	0.0356	0.0259	0.0189	0.0139	0.0102			0.0116	0.0042	0.0015	0.0012	
-			0.3066	0.2083	0.14	-	0000	.0668	0.0626	0.0449	0.0323	0.0234	0.0169	0.0123		0.007	-	0.0055	0.0017	0.0005		-
		.3715	2.2281	0.1407	0.08		-		0.0460	0.0318	0.0221		0.0107	0.0075	0.0089	0,006	-	.0048	0.0014		4	-
						-		.0333	0.0213	0.0134	0.0085	A:000.	0.0035		0.0053	0.003	7 0	.0026	0.0007		-	
														0.0022	0.0014	0.000	m I a	.0006				0.

Table A-4 Present Value Interest Factors for a One-Dollar Annuity Discounted at k Percent for n Periods: PVIFA = [1 · 1/(1 + k)] / k

Perlo	1.70		1%	3%	4%	5%	69		6 8%						TOUR IC	n n ren	ods: PV	FA = [1 .	1/(1 + k)	1/k	
-	0.990	210	804	0.9709	0.961		- 0,			37	109	/6 11	% 12		-					1 . K	
2	1.970	110	416	1.9135	1.886		4.54	4.00	0,044	59 0.91			100	-		4%	5%	5% 2	0% 2	401	
3	2.941	0 2.8	839	2.8286	2.775	11001	1100		-11.00	3 1.75		0.00	6100	010	850 0.	772 0.				1	5% 30
4	3.902	0 3.8	077	3.7171	3.629	-	4701		43 2.577	1 2.53			-	110	681 1.0	467 1.				065 0.8	000 0.74
5	4.853	4 4.7	135	4.5797	1	1 01046	01401	3.38	72 3.312		211700	4.79		40.0	612 2.					568 1.4	400 1,36
			-	110101	4.4518	4.329	5 4.21	4 4.10	3.992		0.100		0.00	73 2.9	45 2.9		and a			813 1.98	520 1.81
6	5.795	5 5.60	74	5.4172	-					0.005	7 3.790	8 3.694	3.60	8 3.51		-		7982 2.5		043 2.38	516 2.16
7	6.7282			6.2303	5.2421	41010	47.00.13	3 4.76	5 4.622	4.485		-				0.1	3.2	743 2.9	906 2.7	454 2.68	
8	7.6517		-	7.0197	6,0021	0.1100	5.582	4 5.38		11400	4.000	10000	5 4.111	4 3.99	75 3.8	887 27	nic la	-			
8	8.5660	7.00	-		6.7327	41.48.63	6.209		0.400	0.000	1.000		2 4.563			1 4.7		847 3.3	255 3.02	205 2.95	14 2,64
10	9.4713	0.10		7.7861	7.4353	7,1078	6.801		1	4100-11		5.146	1 4.967					386 3.50	46 3.24		2.04
	0.4773	8,98	26 8	.5302	8,1109	7.7217		27010	-	0.0002	-11000	5.537	5.328			1 44		436 3.83	72 3.42		
11	40 20=	+	-				1	7.023	6.7101	6,4177	6.1446				1.5		716 4.6	065 4.03			2.42
12	10.368	9.786	_	.2526	8.7605	8.3064	7.8869	1	+				0.000	5.42	5.21	61 5.0	88 4.8		0.00	-	0.913
	11.255	10.57	5 9	.9540	9.3851	8.8633	-	7.700		6,8052	6.4951	6.2065	FAGRE	-					3.00	19 3.570	3.091
13	12.134	11.34	8 1	0.635	9.9856	9.3936	8.3838	10.10		7.1507	6.8137	6.4924	110011		4,44	27 5.23	37 5.02	86 4.32	24 2		-
14	13.004	12.10	6 1	1.296	10.563	9.8986	-1002/	8.357	7.9038	7.4869	7.1034			21011	5 5.66	3 5.42		-	-	-1000	3.147
15	13.865	12.84		1.938	11.118		9.2950	8.7455	8.2442	7.7862	7.3667	6.7499		6.121	8 5.84			1,10	0.00	-11.00	0.100
				-	11.110	10,380	9.7122	9.1079	8.5595	8.0607		6.9819	6.6282	6.302	6,00		4.04	1.00		4 3.780	1 3.223
16	14.718	13.578	1 15	2.561	44.000					0.0001	7.6061	7.1909	6.8109	6.462						6 3.824	1 3.2487
17	15.562	14.292	1		11.652	10.838	10,106	9.4466	8.8514	8.3126	-	-			1	3.04	4 5.57	55 4.675	5 4.001	3.859	
18	16.398	14.992	-	.166	12.166	11.274	10.477	9.7632	9.1216		7.8237	7.3792	6.9740	6.6039	6.265	1 500	-	-			
19	17,226	-	+		12.659	11.690	10.828	10.059		8.5436	8.0216	7.5488	7.1196	6,7291	1 0.200	0.00		5 4.729	4.033	3 3.8874	3.2832
20	18.046	15.678	-		13.134	12.085	11.158	10.336	9.3719	8.7556	8.2014	7.7016	7.2497	6.8399	6.372	0.041		7 4.774	4.059		
-	10,646	16,351	14	877	13.590	12.462	11,470		9.6036	8.9501	8.3649	7.8393	7.3658		0.001	0.160	20011	8 4.812		410003	4.2540
21	40.000		-				11,410	10,594	9.8181	9.1285	8.5136	7.9633	7.4694	6.9380	5.550	0.100	2 5.877				0.0001
	18.857	17.011	1 15.	415	14.029	12.821	44.704						1.4034	7.0248	6.623	6.259	5.928		1,000,	410.474	0.0100
22	19.660	17.658	15.	-	4.451	13,163	11.784	10.836	10.017	9.2922	8.6487	8.0751	7 000					7,0000	4.1103	3.9539	3.3158
23	20.456	18.292	16.		4.857	-	12.042	11.061	10.201	9.4424	8.7715		7.5620	7.1016	6.6870	6.312	5.973	4.8913	-	-	
	21.243	18.914	16.		5.247	13,489	12.303	11.272	10.371	9.5802	8.8832	8.1757	7.6446	7.1695	6.7429	6.3587	-1010	710313	4.1212	3,9631	3,3198
25	22.023	19.523	17.4	-	-	13.799	12.550	11,469	10.529	9.7066		B.2664	7.7184	7.2297	6.7921	6.3988	0.00116	1.0004	4.1300	3.9705	3.3230
			17.0	10 1	5.622	14.094	12.783	11.654	10.675	9.8226	8.9847	8.3481	7.7843	7.2829	6.8351		0.0442	1.0240	4.1371	3.9764	3.3254
0	25.808	22.396	40	-	-					3.0220	9.0770	8.4217	7.8431	7.3300	6.8729	6.4338	5.0726	4.9371	4.1428	3.9811	3.3272
- 1	29,409		19.8	-	7.292	15.372	13.765	12,409	14 000						V.U.Z9	6.4641	6.0971	4.9476	4.1474	3.9849	3.3286
		24.999	21.4		8.665	16.374	14,498	12.948		10.274	9.4269	8.6938	8.0552	7.4957	7	-				2,0049	3.3286
-		25.489	21.8		3.908	16.547	14.621		11.655	10.567	9.6442	8.8552	8.1755		7.0027	6.5660	6.1772	4.9789	4.1601	2.0000	
-		27.355	23.1				15.046	13.035		10.612	0.000-	8.8786		7.5856	7.0700	6.6166	6.2153	4.9915	4.1644	3.9950	3.3321
1 3	9.196	31.424	25.7		100			13.332	11.925			-	8.1924	7.5979	7.0790	6.6231	6.2201	4.9929		3.9984	3.3330
						0.200	15.762	13.801	12.233		0.4.	0.01.0	8.2438	7.6344	7.1050	5.6418	6.2335		4.1649	3.9987	3.3331
												3.041/	8.3045	7.6752	7.1327	6.6605	6.2463	4.9966	4.1659	3.9995	3.3332
																	COLO.	4.9995	4.1666	3.9999	3.3333